<u>RAW SEQUENCE LISTING</u>

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____10/551,619_____
Source: _____JFWP_____
Date Processed by STIC: _____11/15/2006_____

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RAW SEQUENCE LISTING   DATE: 11/15/2006
PATENT APPLICATION: US/10/551,619   TIME: 11:17:09

Input Set : **A:\1034123-000167.ST25.txt**
Output Set: **N:\CRF4\11152006\J551619.raw**

```
 3 <110> APPLICANT: The Regents of the University of California
 4       Martin, Paul Taylor
 6 <120> TITLE OF INVENTION: AMYLOID-SPECIFIC PEPTIDES AND USES THEREOF
 8 <130> FILE REFERENCE: 1034123-000167
10 <140> CURRENT APPLICATION NUMBER: US 10/551,619
11 <141> CURRENT FILING DATE: 2005-09-30
13 <150> PRIOR APPLICATION NUMBER: US 60/461,168
14 <151> PRIOR FILING DATE: 2003-04-07
16 <150> PRIOR APPLICATION NUMBER: PCT/US04/10939
17 <151> PRIOR FILING DATE: 2004-04-07
19 <160> NUMBER OF SEQ ID NOS: 33
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 10
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: artificial peptide sequence
32 <220> FEATURE:
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W--> 33 **<221> NAME/KEY: X**
```
34 <222> LOCATION: (1)..(1)
35 <223> OTHER INFORMATION: X = W OR F
37 <220> FEATURE:
```
W--> 38 **<221> NAME/KEY: X**
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39 <222> LOCATION: (2)..(6)
40 <223> OTHER INFORMATION: X = any amino acid having two positively charged residues and
no
41       negatively charged residues
43 <220> FEATURE:
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W--> 44 **<221> NAME/KEY: X**
```
45 <222> LOCATION: (7)..(7)
46 <223> OTHER INFORMATION: X = W OR F
48 <220> FEATURE:
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W--> 49 **<221> NAME/KEY: X**
```
50 <222> LOCATION: (8)..(9)
51 <223> OTHER INFORMATION: X = Any amino acid
53 <220> FEATURE:
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W--> 54 **<221> NAME/KEY: X**
```
55 <222> LOCATION: (10)..(10)
56 <223> OTHER INFORMATION: X = W OR F
58 <400> SEQUENCE: 1
```
W--> 60 **Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa**
```
61 1               5                   10
64 <210> SEQ ID NO: 2
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(CPR-6)

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65 <211> LENGTH: 20
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Artificial peptide sequence
72 <400> SEQUENCE: 2
74 Asp Trp Gly Lys Gly Gly Arg Trp Arg Leu Trp Pro Gly Ala Ser Gly
75 1   5   10   15
78 Lys Thr Glu Ala
79   20
82 <210> SEQ ID NO: 3
83 <211> LENGTH: 20
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Artificial peptide sequence
90 <400> SEQUENCE: 3
92 Pro Gly Arg Ser Pro Phe Thr Gly Lys Lys Leu Phe Asn Gln Glu Phe
93 1   5   10   15
96 Ser Gln Asp Gln
97   20
100 <210> SEQ ID NO: 4
101 <211> LENGTH: 26
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Artificial peptide sequence
108 <400> SEQUENCE: 4
110 Ala Glu Cys Asp Trp Gly Lys Gly Gly Arg Trp Arg Leu Trp Pro Gly
111 1   5   10   15
114 Ala Ser Gly Lys Thr Glu Ala Cys Gly Pro
115   20   25
118 <210> SEQ ID NO: 5
119 <211> LENGTH: 22
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Artificial peptide sequence
126 <400> SEQUENCE: 5
128 Cys Asp Trp Gly Lys Gly Gly Arg Trp Arg Leu Trp Pro Gly Ala Ser
129 1   5   10   15
132 Gly Lys Thr Glu Ala Cys
133   20
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 22
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Artificial peptide sequence

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```
144 <400> SEQUENCE: 6
146 Cys Pro Gly Arg Ser Pro Phe Thr Gly Lys Lys Leu Phe Asn Gln Glu
147 1               5               10              15
150 Phe Ser Gln Asp Gln Cys
151             20
154 <210> SEQ ID NO: 7
155 <211> LENGTH: 20
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Artificial peptide sequence
162 <400> SEQUENCE: 7
164 Leu Gly Ser Gly Arg Ile Gly Asp Gly Trp Ser Asp Gly Gly Leu Ala
165 1               5               10              15
168 Arg Arg Leu Lys
169             20
172 <210> SEQ ID NO: 8
173 <211> LENGTH: 20
174 <212> TYPE: PRT
175 <213> ORGANISM: Artificial sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Artificial peptide sequence
180 <400> SEQUENCE: 8
182 Asp Gly Gly Gly Gly Ala Gly Arg Trp Thr Thr Lys Asp Arg Ser Ala
183 1               5               10              15
186 Ala Lys Thr Glu .
187             20
190 <210> SEQ ID NO: 9
191 <211> LENGTH: 20
192 <212> TYPE: PRT
193 <213> ORGANISM: Artificial sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Artificial peptide sequence
198 <400> SEQUENCE: 9
200 Val Asp Asp Gly Ala Gln Gly Lys Arg Trp Gly Gly Met Gly Leu Gly
201 1               5               10              15
204 Lys Gly Arg Arg
205          . 20
208 <210> SEQ ID NO: 10
209 <211> LENGTH: 20
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Artificial peptide sequence
216 <400> SEQUENCE: 10
218 Ser Gly Ser Gly Val Gly Leu Arg Met Ala Ser Gln Arg His Glu Gly
219 1               5               10              15
222 Arg Lys Val Tyr
223             20
```

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226 <210> SEQ ID NO: 11
227 <211> LENGTH: 20
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Artificial peptide sequence
234 <400> SEQUENCE: 11
236 Gln Leu Pro Gln Asn Gly Gly Pro Ala Trp Phe Thr Arg Lys Ala Gly
237 1               5                   10                  15
240 Gln Gly Gly Arg
241             20
244 <210> SEQ ID NO: 12
245 <211> LENGTH: 20
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Artificial peptide sequence
252 <400> SEQUENCE: 12
254 Leu Gly Tyr Ala Gly Gly Gly Gln Gly Met Val Glu Gly Ser Phe Trp
255 1               5                   10                  15
258 Pro Thr Ser Trp
259             20
262 <210> SEQ ID NO: 13
263 <211> LENGTH: 20
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Artificial peptide sequence
270 <400> SEQUENCE: 13
272 Gly Leu Arg Gly Met Glu Gly Arg Gly Tyr Pro Lys Asp Arg Arg Asp
273 1               5                   10                  15
276 Arg Asn Leu Glu
277             20
280 <210> SEQ ID NO: 14
281 <211> LENGTH: 20
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Artificial peptide sequence
288 <400> SEQUENCE: 14
290 Leu Ile Gly Gly Asn Lys Ala Gly Arg Gly Ala Trp Gly Val Val Ala
291 1               5                   10                  15
294 Ser Ser Gly Arg
295             20
298 <210> SEQ ID NO: 15
299 <211> LENGTH: 20
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial sequence
303 <220> FEATURE:
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Input Set : **A:\1034123-000167.ST25.txt**
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```
304 <223> OTHER INFORMATION: Artficial peptide sequence
306 <400> SEQUENCE: 15
308 Glu Leu Glu Ser Arg Gly Gly Leu Gly Tyr Ala Trp Arg Gly Ser Ala
309 1               5                   10                  15
312 Ser Thr Met Asp
313               20
316 <210> SEQ ID NO: 16
317 <211> LENGTH: 20
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Artificial peptide sequence
324 <400> SEQUENCE: 16
326 Lys Gly Glu Thr Gly Asn Gly Gly Arg Ala Lys Ala Gly Thr Val Asp
327 1               5                   10                  15
330 Leu Ile Arg Arg
331               20
334 <210> SEQ ID NO: 17
335 <211> LENGTH: 33
336 <212> TYPE: PRT
337 <213> ORGANISM: Artificial sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: Artificial peptide sequence
343 <220> FEATURE:
```
W--> 344 <221> NAME/KEY: X
```
345 <222> LOCATION: (1)..(1)
346 <223> OTHER INFORMATION: X = any amino acid with at least one cysteine residue having
the
347       formula (Xaa)n, where Xaa is any amino acid and n is an integer
348       from 1 to 20
350 <220> FEATURE:
```
W--> 351 <221> NAME/KEY: X
```
352 <222> LOCATION: (2)..(2)
353 <223> OTHER INFORMATION: X = W or F
355 <220> FEATURE:
```
W--> 356 <221> NAME/KEY: X
```
357 <222> LOCATION: (3)..(17)
358 <223> OTHER INFORMATION: X = any positively charged amino acid
360 <220> FEATURE:
```
W--> 361 <221> NAME/KEY: X
```
362 <222> LOCATION: (18)..(18)
363 <223> OTHER INFORMATION: X = W or F
365 <220> FEATURE:
```
W--> 366 <221> NAME/KEY: X
```
367 <222> LOCATION: (19)..(31)
368 <223> OTHER INFORMATION: X = any amino acid
370 <220> FEATURE:
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W--> 371 <221> NAME/KEY: X
```
372 <222> LOCATION: (32)..(32)
373 <223> OTHER INFORMATION: X = W or F
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 11/15/2006
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Input Set : A:\1034123-000167.ST25.txt
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Please Note:
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10
Seq#:17; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:17; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33
Seq#:18; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:18; Xaa Pos. 23,24,25,26,27,28,29,30,31,32
Seq#:19; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:19; Xaa Pos. 23,24,25,26,27,28,29,30,31,32
Seq#:20; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:20; Xaa Pos. 23,24,25,26,27,28,29,30,31
Seq#:21; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:21; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:22; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:22; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:23; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:23; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:24; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:24; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39
Seq#:33; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11

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Input Set : **A:\1034123-000167.ST25.txt**
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L:33 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:38 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:44 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:49 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:54 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:344 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:351 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:356 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:361 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:366 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:376 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
M:341 Repeated in SeqNo=17
L:406 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:413 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:418 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:423 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:428 M:257 W: Feature value mis-spelled or·invalid, <221> Name/Key for SEQ ID#:18
L:433 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
M:341 Repeated in SeqNo=18
L:457 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:462 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:467 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:472 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:477 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:482 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
M:341 Repeated in SeqNo=19
L:508 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:513 M:257 W: Feature value mis-spelled or invalid, <221>· Name/Key for SEQ ID#:20
L:518 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:523 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:528 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
M:341 Repeated in SeqNo=20
L:552 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:559 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:564 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:569 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:574 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:579 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:584 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21
L:614 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22

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Input Set : **A:\1034123-000167.ST25.txt**
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L:621 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:626 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:631 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:636 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:641 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
M:341 Repeated in SeqNo=22
L:669 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:679 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:684 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:689 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:694 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
M:341 Repeated in SeqNo=23
L:724 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24
L:729 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
M:341 Repeated in SeqNo=24
L:916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0